



CSW200UL™ and CSW200ULST™

High-traffic commercial swing gate operators

CSW200UL™ operators are ideal for high-traffic applications such as gated communities and commercial buildings. Two available models each have identical performance features with a choice of exterior covers. The CSW200UL™ offers a 1/4" thick, unbreakable polyethylene cover for long-lasting protection. The CSW200ULST™ offers a heavy-duty, 16-gauge stainless steel cover finished with an embossed architectural design. Capabilities include 75 cycles per hour on gates weighing up to 600 lbs. and up to 18 ft. in length.

CSW200ULD™

High-traffic/high-temperature commercial swing gate operator

Unlike any other swing gate operator, the CSW200ULD™ features a patented dual motor drive system for superior performance in hot weather climates such as desert environments. Engineered for high-traffic commercial applications, the unit is designed to perform without overheating, using one motor to open the gate and the other to close it. Capabilities include continuous operation with gates weighing up to 800 lbs. and up to 18 ft. in length.



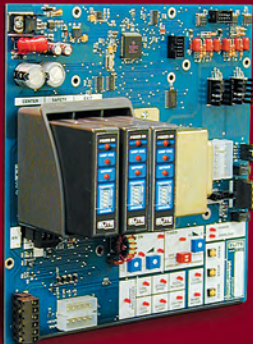
CSW200UL1HP™

Heavy-duty, one-horsepower commercial swing gate operator

The CSW200UL1HP™ is our most powerful swing gate operator. Equipped with two 1/2 HP motors and a heavy-duty, 900:1 double transmission, it is the perfect choice for large, heavy wrought-iron gates. With 250 lbs. of pulling torque, the unit is capable of 60 cycles per hour on gates weighing up to 1,000 lbs. and up to 20 ft. in length.

Advanced safety and performance engineering

The OmniControl™ board provides enhanced, reliable performance that meets or exceeds all UL325 and UL991 specifications. Exclusive to Elite™ commercial gate operators, this board ensures the equipment you install includes the latest requirements and most advanced technology in the industry. Additional performance benefits include easy access to all inputs and outputs, solid-state motor control, spike suppressors and integrated safety alarm that put Elite™ commercial gate operators in a class by themselves.



CSW200UL™ MODELS

COMMERCIAL SWING GATE OPERATORS

Dimensions			
Top view	Front view	Side view	
			CSW200UL™ 15"w x 28"h X 20.5"d CSW200ULST™ 14"w x 28"h X 19"d CSW200ULD™ CSW200UL1HP™ 15"w x 28"h X 24.5"d

Electrical Specifications	
MODULAR BOARD	Uses LEDs to indicate all input and output functions of the gate operator.
ERD	If the gate hits a vehicle while closing, it re-opens. If it hits a vehicle while opening, it stops, reverses 4 to 6 inches and stops again.
DIGITAL MOTOR PROTECTION	Entrapment sensor shuts off the motor after it reaches the stall amp for 3 seconds, reverses direction for several inches and stops.
ELECTRONIC INPUTS	Radio receiver, key switch, safety loop, exit loop, telephone entry system, computer input, fire dept. key switch and 3 push button station.
ELECTRONIC MOTOR DISCONNECT	Prevents activation of the motor while under manual operation. Meets latest UL325 rev. 5 standards.
TIMER	Adjustable timer can be set from 0 to 60 seconds.
POWER INPUT ON/OFF SWITCH	Controls power input to the board with convenient switch.
POWER MANAGEMENT	Board includes electronic power management with over-current shutdown and automatic recovery.
MAGNETIC LOCK	With Omni Option board, magnetic lock system is incorporated, allowing you to easily add the (MG1300) electromagnetic locking system to the gate.
BURGLAR ALARM	With Omni Option board, interfaces with existing home alarm or alarm output.
3 PUSH BUTTON CONTROL	On-board gate operator control for close, stop and open.
INTELLIGENT MASTER/SECOND	Precise, synchronized movement and communication between two gate operators using 3-wire RS485 bi-directional technology.
SURGE SUPPRESSOR	20,000 amps and near lightning protection with modular Omni surge suppressor. Initial response time: 0.000000000001 second.
ALTERNATE OUTPUTS	With Omni Option board 3 push button command control, burglar alarm input and output. QCC option available.
GATE TRAVELING TIME	Adjusted by a precision mechanical device and electrical limit switch system.
SOFT STOP	Gate travels through the cycle at normal speed and comes to a stop slowly for more accurate gate cycle. Equipped with integrated time delay for long mechanical life expectancy.
INTEGRATED LOOP DETECTORS	Easy to install, modular, plug-in loop detector inputs for exit loop and safety loop.
120V AC POWER	Built-in 120V AC power receptacle (NEMA 5-15).
MOTOR DRIVE	Solid-state electronic motor drive system is incorporated into board.
RADIO RECEIVER	Includes a built-in 312HM radio receiver for use with DIP switch, billion code and Security+® remote controls. Allows for one LiftMaster® remote control to conveniently open the gate and additional access points.
ALARM	Activates anytime the moving gate is physically stopped by an obstruction.

CHAMBERLAIN®
ELITE™
THE CHAMBERLAIN GROUP, INC.
845 Larch Avenue • Elmhurst, IL 60126
www.chamberlain.com

Mechanical Specifications	
CHASSIS	Constructed with 1/4" sanded, welded and gold zinc-plated sheet metal.
WORMGEAR REDUCTION	Two 30-to-1 wormgear reducers in an oil bath.
COVER	High-density polyethylene plastic for excellent heat and corrosion resistance.
FINISHING	All metal parts are gold zinc-plated for rustproof protection.
EMERGENCY RELEASE	Release handle is standard. Best option is our DC2000™.
OUTPUT SHAFT	2-1/2" cold rolled steel.
GATE TRAVELING SPEED	90° opening in 13-15 seconds.

Available Models	
CSW200UL™ and CSW200ULST™	
MOTOR	1/2 HP, instant reversing, 120V AC, 4 amp, 1,625 rpm, high-speed ball bearings.
CYCLES	Capable of 75 cycles per hour.
CAPABILITIES	Maximum gate length 18'. Maximum gate weight 600 lbs.
SHIPPING WEIGHT	CSW200UL™ - 175 lbs. /194 lbs. - CSW200ULST™
CSW200ULD™	
MOTOR	Equipped with two 1/2 HP, instant reversing, 120V AC, 4 amp, 1,625 rpm, high-speed ball bearings. One motor opens the gate, the other closes it.
CYCLES	Capable of continuous cycles.
CAPABILITIES	Maximum gate length 18'. Maximum gate weight 800 lbs.
SHIPPING WEIGHT	199 lbs.
CSW200UL1HP™	
MOTOR	Equipped with two 1/2 HP gate motors that work together equaling one horsepower.
CYCLES	Capable of 60 cycles per hour.
CAPABILITIES	Maximum gate length 20'. Maximum gate weight 1,000 lbs.
SHIPPING WEIGHT	199 lbs.

7-Year Warranty
Single home application

5-Year Warranty
Commercial application

 **UL325** compliant
 **UL991** compliant

©2009 The Chamberlain Group, Inc.
Printed in U.S.A., 01/09

ELGBR2UO

CSW200UL™ MODELS

COMMERCIAL SWING GATE OPERATORS

CHAMBERLAIN®
ELITE™



THE MOST RELIABLE
COMMERCIAL SWING GATE
OPERATORS IN THE INDUSTRY



Standard features

- 120V AC power
- 24V DC board
- Built-in radio receiver
- Highly efficient, extremely quiet
- Surge/lightning protection
- Alarm reset button
- Weatherproof high-density polyethylene cover
- Gold zinc-plated chassis eliminates corrosion
- High-speed precision limit switches
- Solid steel, machined pulley
- #41 chain

CSW200UL™ Models

Built for high-traffic. Engineered for safety.

CSW200UL™ models of swing gate operators are the first choice for heavy-traffic applications such as large gated communities, residential developments, commercial complexes and private estates. Unlike other systems, the CSW gate operators are designed with a “non-scissor action” swing arm to greatly reduce the risk of injury. And all models include the safety and reliability of our OmniControl™ board, the most advanced control board in the industry.

Featuring the highest quality components and backed by years of proven dependability, each unit is carefully inspected and mechanically tested to provide unsurpassed reliability. Unique engineering innovations in each model also ensure that there’s a CSW to meet practically every swing gate application.

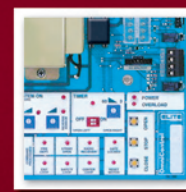
Dependable. Durable. Capable.

Elite™ operators are skillfully crafted in every detail. Each model features the most advanced and most complete list of components available in the industry.



Built-in Radio Receiver

Includes a factory-installed 312HM radio receiver for use with DIP switch, billion code and Security+® remote controls. Allows for one LiftMaster® remote control to conveniently open the gate and additional access points.



Modular OmniControl™ Board

The Omni board uses LEDs to indicate all input and output functions of the gate operator and plug-in loop detector technology.



Soft Stop

Gate travels through the cycle at normal speed and comes to a stop slowly for more accurate gate cycle. Equipped with integrated time delay for long mechanical life expectancy.



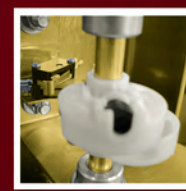
Surge/Lightning Protection

The two-stage hybrid network of surge suppressors protects against lightning strike within a 50-foot radius, capable of handling high power with fast response.



Alarm Reset Button

The alarm reset button will instantly reset the built-in safety alarm siren on all new OmniControl™ operators, allowing normal function without waiting for the alarm status to time out.



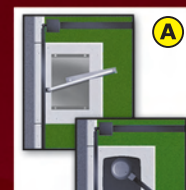
Limit Switch Design

The CSW200UL1HP™ is manufactured with a precision limit switch system. This system uses high-speed ball bearings and high-quality components for efficiency and reliability.



Emergency Release

Release handle is standard. Best option is our DC2000™. The gate can be easily disconnected by turning the release handle. To operate the gate manually, pull release handle 180°, then push the gate open.



Non-Scissor Action Arm

Most swing gate operator arms **A** will cross and produce a dangerous “scissor” action while opening the gate to a 90° opening. We designed our CSW200UL™ operator arms to not cross, eliminating the scissor action **B**. This feature reduces the risk of injury from the gate operator arm.



Wormgear Reducer

A highly efficient, extremely quiet, 30-to-1 wormgear reducer is used.



Reversing Sensor

Instant reversing gate motor(s) uses high-speed ball bearings for a smooth and quiet operation. If the gate is closing and hits a vehicle, the sensor detects the increased load on the motor and reverses. If the gate is opening and hits a vehicle, it stops and reverses.

Customizable with added options.

CSW200UL™ models of gate operators offer a large choice of accessories to allow you to create a system specific to your installation needs.



DC2000™ Power Backup*

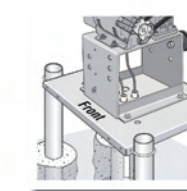
The DC2000™ keeps the traffic moving during a power outage. It mounts directly on the machine and is the perfect companion to the system. You will never again be a prisoner of your own gate.

The DC2000™ works with the SL3000UL™ and SL3000ULD™ slide gate operators and the CSW200UL™ and CSW200ULD™ swing gate operators.



Integrated Loop Detector

Easy to install, modular, plug-in loop detector inputs for exit loop and safety loop.



Post Mounting Plate

Allows for post mounting of Elite™ commercial gate operators that require the operator to be elevated off the ground. Mounts using 3" U-bolts or the post can be welded directly to the plate. Works with all SL3000UL™ and CSW200UL™ commercial gate operator models.



Heater*

A gearbox heater is available to keep the gearbox running in its optimum temperature range.



Power Hinges

The heavy-duty, super-quiet Power Hinges are manufactured with double ball bearings each pivoting on a 3/4", grounded and tempered, solid stainless steel shaft. They are designed for industrial applications such as high-traffic condominiums and heavy wrought-iron or aluminum gates. Power Hinges come in three models depending on your needs.



MG1300™ Magnetic Locking System

The magnetic lock system is incorporated into all of our CSW200UL™ control boards, allowing you to easily add the MG1300™ magnetic locking system to the gate. The MG1300™ is designed to withstand forces of up to 1,300 lbs., and unlocks automatically in case of a power failure.

*Available factory installed